



Production Readiness Review

Financial Partners Data Mart Release 2

June 17, 2002



Agenda

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Project Overview

Capabilities Provided by FP Data Mart Release 2:

- Implement additional user team enhancements to Release 1 reports
- Automate data extraction and transmission from FMS, NSLDS, and PEPS
- Develop a Lender Risk Scorecard to aid in prioritization of lenders to review
- Determine analysis needs from historical data loaded on lender reviews and audits
- Enable user access by the GA community



Development Approach

- **Requirements Gathering** involved working with subject matter experts to better understand the process and types of information required to support the key business functions.
- **Analysis and Design** involved expanding upon the requirements to design the database that will support the identified analytical reporting. It also involves 'mapping' the data from the source systems to the target database tables.
- **Development** involved creating the programs/queries required to extract the information from the source systems, developing the Informatica processes to load the extracted information into the data mart tables, and developing the reports using Microstrategy.
- **Testing** involved planning and conducting the system, user acceptance, environment, and stress tests. These tests will ensure that the required reports are available and that they contain the correct data as it was extracted from the source systems.
- **Training Preparation** involves preparing for FSA and GA user training.
- **Deployment** involves migrating the FP Data Mart Release 2 components into the Production environment.



Schedule and Cost Overview

Schedule:

- | | |
|-------------------------|------------------|
| – Project Kickoff | December 5, 2001 |
| – Requirements Complete | February 8, 2002 |
| – Design Complete | March 27, 2002 |
| – Development Complete | May 21, 2002 |
| – Testing Complete | June 5, 2002 |
| – Deployment | June 19, 2002 |
| – Training (Internal) | July 2002 |
| – Training (External) | August 2002 |

Cost:

- The project will be completed on budget.



Testing Summary

- **Unit Test** ensured that each report met the functional requirements specified in the Design Document and that the data mappings provided data to support the reports. This testing was executed in the development environment.
- **System Test** ensured that all requirements specified in the Design Document were met. System test scripts were written and executed in the test environment.
 - All 34 scripts were executed and completed successfully, with the exception of the remaining SIRs
 - 51 of 53 SIRs have been closed
- **User Acceptance Test** allowed FSA personnel the opportunity to run the reports to ensure that they met the requirements. System test scripts were provided to UAT participants so that they could follow a structured testing approach. UAT was executed in the test environment.
 - All 33 Release 2 reports were executed
 - Release 2 reports were executed by nine FSA users
- **Environment Test** ensured that the new reports had no impact on Release 1 reports or the Credit Management Data Mart. This testing was executed in the test environment.
- **Stress Test** ensured that the existing hardware infrastructure was sufficient for the workload expected to be added by the new reports. This testing was executed in the test environment.



Testing Summary (Cont'd)

Test participants:

Level Of Testing	Test Participants	
	Mod Partner	FSA
Unit	x	
System	x	
User Acceptance		x
Environment	x	
Stress	x	



Testing Summary (Cont'd)

Summary of system incident reports (SIRs) by priority:

Priority	Status	
	Closed	Open
High	12	0
Medium	31	2
Low	8	0
Total	51	2

- High: Report did not run or was incorrect
- Medium: Report did not meet requirements; report and/or requirements may need to be updated
- Low: Report met requirements but needs to be modified (cosmetic)



Security Requirements

- **Each user from a GA will receive a unique user ID**
 - The standard security form was modified and instructions added. Requests for user IDs will be sent to the system security officer.
- **GA users can only see their own GA's data; they can't see data for other GAs. GA users can access only certain reports.**
 - Each GA user will be placed in the GA user security group and will have a filter applied to their user ID. Only those reports appropriate for GA users will be accessible to the GA user security group. For testing purposes, unique GA user IDs were established for five different GAs. Access to and execution of reports were tested to ensure appropriate security.
 - Contingency Plan: In case of a data access violation by a GA user, access for all GA users will be suspended until the problem is resolved.
- **GA users can see data only for those lenders that they guarantee.**
 - The Lender Redesign project will be verifying GA/lender/servicer relationships when it deploys. Since this relationship information will be used for security purposes, FP management decided to postpone this requirement until FP Data Mart Release 3.



Security Items

Microstrategy currently allows free-form passwords:

- Security will be set so that users cannot change their passwords. The SSO will be responsible for changing all user passwords every 90 days and ensuring that they meet ED standards.
- The Credit Management Data Mart team has already logged this item as an enhancement request with Microstrategy.

Microstrategy currently allows the same user to log in multiple times simultaneously:

- The FP Data Mart is not a source system and contains read-only data. Users acknowledge and sign the security form which contains Privacy Act information.



Independent Quality Assurance

The independent Quality Assurance contractor:

- Provided an independent review of project documentation
- Worked with the project team to validate requirements gathering, design, development and testing efforts
- Attended all weekly core team working sessions and monthly IPT checkpoints to track issue resolution and participate in team discussion
- Met with the project manager throughout the project to submit comments and suggestions for improvement.



Outstanding Issues

- **NSLDS Data**

- The NSLDS extract code is scheduled to be available for the June 29/30 monthly extract.
- Mitigation Strategy: Mod Partner will continue to monitor the progress of NSLDS development, escalating issues as necessary.

- **Power User Reports**

- The highest-priority reports created by the FSA Power Users will be migrated to Production in Release 2. The remaining Power User reports will be migrated as enhancements after successfully completing unit, system, and user acceptance test.
- Mitigation Strategy: Mod Partner will provide support and system test scripts as Power Users continue to develop their reports.



Outstanding Issues (Cont'd)

- **Application Maintenance**

- The current task order (TO 75) is being replaced. The new task order (TO 110) will be submitted to FSA Procurement on June 14. TO 110 will cover June - December 2002.
- Mitigation Strategy: FP Data Mart Release 2 (TO 68) includes a Production Support phase for four weeks to address "broke/fix."
- Disaster Recovery:
 - CSC is responsible for restoring hardware and software (including data)
 - Application Maintenance team is responsible for verifying that the application is functioning correctly before restoring user access

- **Open SIRs**

- 444: Optional Prompts on Lender Scorecard Reports
 - Depends on functionality in the new release of Microstrategy, scheduled to be implemented in June / July 2002
- 448: Implement Security Based on Lender-GA Relationship
 - Depends on Lender-GA relationships provided by Lender Redesign, scheduled to start providing data in Release 3



Sign-Off

VDC:

– Dave Lass

Quality Assurance:

– Mike Rockis

Security:

– Willie Sutton

CIO:

– Steve Hawald

System Owner:

– Anna Allen

FP Channel Sponsor:

– Johan Bos-Beijer
